CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2016

DateRun: 09/14/2016

Experimenters: Carla De La Cruz

ClientType: Jewelry Mfr

ProjectNumber: Project #3

Substrates: Aluminum

PartType: Coupon

Contaminants:

Cleaning Methods:

Analytical Methods:

Purpose: To find the best fit product for cleaning Leach Garner's Burn Free #5 Lubeatube P9616A from copper and stainless steel surfaces meant to resemble the cleaning of precious metals.

Experimental Procedure: Coupons of stainless steel and copper were selected and arranged on trays, so that each cleaner had an assigned set of each surface. Before taking initial weights coupons were wiped down with Kimwipes. After taking weights the coupons were promptly soiled and reweighed. All cleaners were gathered in respective bottles and beakers. A stir bar was used in conjunction with a heating plate equipped to stir the solutions. The coupons were added to the beakers three of a kind at one time, and then allowed to sit in the stirred solution at room temperature for 5 minutes while observations were taken. Finally, clean weights were taken at the end of all the testing.

Results:

Cleaner	Initial wt of cont.	Final wt of cont.	%Cont Removed
FluoSolv CX	0.0807	0.0071	91.20
	0.0803	0.0072	91.03
	0.1170	0.0063	94.62
FluoSolv NC	0.1046	0.0223	78.68
	0.0957	0.0183	80.88
	0.0940	0.0160	82.98
Vertrel Sion	0.1258	0.0001	99.92
	0.0897	0.0000	100.00
	0.0746	0.0000	100.00
Solstice PF	0.0950	0.0037	96.11
	0.1286	0.0040	96.89
	0.1666	0.0032	98.08

Summary:

Conclusion: